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Substitute for form 1449APTO	Complete il Known			
FEB 2 8 2005	Application Number	10/775,890		
	Filing Date	February 9, 2004		
/ ﴿	First Named Inventor	Sur, Biswajit		
FEB 2 8 2005 pt	Group Art Unit	2818		
	Examiner Name	Huynh, Andy		
Sheet 1 of 1	Attorney Docket No: 8	384.319US2		

US PATENT DOCUMENTS				
Examiner USP Document Publication Date Initial Number		Publication Date	Name of Patentee or Applicant of cited Document Filing If Appre	
alla	US-4,654,966	04/07/1987	Kohara, Masanobu, et al.	10/03/1985

FOREIGN PATENT DOCUMENTS					
Examiner Foreign Do Initials*	cument No Publication	Name of Patentee or Applicant of	cited T ²		

ſ		OTHER	R DOCUMENTS NON PATENT LITERATURE DOCUMENTS	
Ì	Examiner initials*	Cite No 1	include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s),	T
-1			publisher, city and/or country where published.	1 1

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PTO/SB06A(10-01)
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Complete if Known		
	Application Number	Unknown	
	Filing Date	Even Date Herewith	
	First Named Inventor	Sur, Biswajit	
	Group Art Unit	Unknown	
	Examiner Name	Unknown	
Sheet 1 of 1	Attorney Docket No: 884.319US2		

	US PATENT DOCUMENTS						
Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate	
al	US-4,561,011	12/24/1985	Kohara, Masanobu, et al.	356	81	09/22/1983	
	US-4,827,376	05/02/1989	Voss, Scott V.	361	388	12/18/1987	
	US-5,098,609	03/24/1992	Iruvanti, S., et al.	252	511	11/03/1989	
	US-5,276,289	01/04/1994	Satoh, R., et al.	174	260	03/25/1991	
	US-5,396,403	03/07/1995	Patel, C.	361	705	07/06/1993	
	US-5,587,882	12/24/1996	Patel, C.	361	705	08/30/1995	
	US-5,623,394	04/22/1997	Sherif, R. A., et al.	361	705	08/02/1996	
	US-5,672,548	09/30/1997	Culnane, T. M., et al.	437	209	06/26/1996	
	US-5,744,863	04/28/1998	Cuinane, T. M., et al.	257	712	06/07/1995	
	US-5,880,524	03/09/1999	Xie, Hong	257	704	05/05/1997	
	US-5,905,636	05/18/1999	Baska, D. A., et al.	361	705	01/23/1998	
	US-6,091,603	07/18/2000	Daves, Glenn G., et al.	361	704	09/30/1999	
	US-6,218,730	04/17/2001	Toy, Hiton T., et al.	257	704	01/06/1999	
	US-6,281,573	08/28/2001	Atwood, E. R., et al.	257	706	03/31/1998	
	US-6,292,369	09/18/2001	Daves, Glenn G., et al.	361	719	08/07/2000	
	US-6,294,408	09/25/2001	Edwards, David L., et al.	438	121	09/30/1999	
ah	US-6,372,337	04/16/2002	Takahashi, Takayuki, et al.	428	328	05/26/1999	

FOREIGN PATENT DOCUMENTS						
Examiner Foreign Document No Publication Date Name of Patentee or Applicant of Class Subclass					T ²	
\square	JP-03142860	06/18/1991	Tetsuya, H.	H01L	23/02	

	OTHE	R DOCUMENTS NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
ae		AMENDOLA, A., et al., "Cooling Structure for an Integrated Circuit Module", IBM Technical Disclosure Bulletin, Vol. 23, No. 2, XP002191051, (July 1980),602	
aa		HAYASHIDA, TETSUYA, "Manufacture of Semiconductor integrated circuit device", Patent Abstracts of Japan, Vol. 015, No. 365 (E-1111), (09 13 1991),	
ععر		MILLER, R. C., "Structure for achieving thermal enhancement in a semiconductor package", <u>IBM Technical Dislcosure Bulletin</u> , Vol. 23, No. 6, XP002191052, (Nov 1980),2308	

EXAMINER andy they

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DATE CONSIDERED

04/05/00